

Abstract of the Invention

A microelement device has a plurality of microelements, which may be configured as microelectrodes, arranged on a substrate and adapted for making contact to cells present in a liquid environment. The cells are guided onto the microelectrodes, are isolated or are mechanically attracted to the microelectrodes. A negative-pressure force or a hydrodynamic force may be applied on the cells. Also described are a method for making contact to the cells, and a method for manufacturing the microelement device is disclosed.